

Abstract

A stairs lift system capable of converting stairs climbing operation into a walking movement along a horizontal plane. The system comprises an existing substrate, flight of stairs, and a second, overlying layer of stairs. Each one of the overlying stairs comprises a lifting element. Mechanical, electronic or hydraulic means are provided for lifting the lifting element up to the height of next-in-line overlaying stair. The lifting means are activated when sensing the presence of a subject having stepped on the first-in-line lifting element. The first-in-line lifting element returns to the initial position once the subject has stepped over to the next-in-line stair; and so forth.